

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in the application:

Claim 1. (Currently Amended) A data recording medium having recorded thereon:

digital data including at least work data, and  
~~having recorded thereon in advance of the work data~~  
~~identification information which enables identification~~  
~~particular to the~~ identifying an individual recording medium, and  
discrimination information indicating the presence/absence  
of the identification information.

Claim 2. (Previously Presented) The data recording medium as claimed in claim 1, wherein the identification information is recorded in an area on an inner side of a lead-in area provided on an inner side of a data recording area where the digital data is recorded.

Claim 3. (Previously Presented) The data recording medium as claimed in claim 1, wherein the identification information is recorded in an area on an outer side of a lead-out area provided on an outer side of a data recording area where the digital data is recorded.

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Claim 4. (Previously Presented) The data recording medium as claimed in claim 1, wherein the discrimination information is recorded in a lead-in area provided on an inner side of a data recording area where the digital data is recorded.

Claim 5. (Original) The data recording medium as claimed in claim 1, wherein the identification information includes serial number information for carrying out identification from other data recording media.

Claim 6. (Original) The data recording medium as claimed in claim 1, wherein the identification information includes work provider information indicating a provider of the work data included in the digital data.

Claim 7. (Original) The data recording medium as claimed in claim 1, wherein the identification information includes work identification information for identifying the recorded digital data.

Claim 8. (Original) The data recording medium as claimed in claim 1, wherein the identification information includes manufacturing device information indicating a manufacturing device of the recording medium.

Claim 9. (Original) The data recording medium as claimed in claim 1, wherein the identification information is data-converted information.

Claim 10. (Original) The data recording medium as claimed in claim 9, wherein the data-converted information is encrypted data.

Claim 11. (Original) The data recording medium as claimed in claim 1, wherein error correction coding is performed on the identification information.

Claim 12. (Previously Presented) The data recording medium as claimed in claim 1, wherein one of error correction coding and error detection coding of a plurality of code sequences is performed on the identification information, and authentication of the identification information is carried out with at least a code of one sequence.

Claim 13. (Previously Presented) The data recording medium as claimed in claim 1, wherein the digital data is recorded in accordance with a modulation system of one of 8-14 modulation or 8-16 modulation.

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Claim 14 (Original) The data recording medium as claimed in claim 1, wherein the data recording medium is for reproduction only.

Claim 15. (Currently Amended) A data recording medium having recorded thereon in advance:

first digital data including at least work data;

second digital data recorded by a different recording method than a recording method used to record the first digital data; and

identification information for ~~carrying out identification particular to~~ identifying the individual recording medium.

Claim 16. (Currently Amended) The data recording medium as claimed in claim 15, wherein discrimination information indicating whether at least one of the second digital data and the identification information exists is recorded in advance of the work data.

Claim 17. (Previously Presented) The data recording medium as claimed in claim 15, wherein the identification information is recorded in an area on an inner side of a lead-in area provided on an inner side of a data recording area where the first and/or second digital data is recorded.

Claim 18. (Previously Presented) The data recording medium as claimed in claim 15, wherein the identification information is recorded in an area on an outer side of a lead-out area provided on an outer side of a data recording area where the first and/or second digital data is recorded.

Claim 19. (Previously Presented) The data recording medium as claimed in claim 15, wherein the discrimination information is recorded in a lead-in area provided on an inner side of a data recording area where the first and/or second digital data is recorded.

Claim 20. (Original) The data recording medium as claimed in claim 15, wherein the identification information includes serial number information.

Claim 21. (Original) The data recording medium as claimed in claim 15, wherein the identification information includes work provider information indicating a provider of the work data included in the first and/or second digital data.

Claim 22. (Original) The data recording medium as claimed in claim 15, wherein the identification information includes work identification information for identifying the work data included in the first and/or second digital data.

Claim 23. (Original) The data recording medium as claimed in claim 15, wherein the identification information includes manufacturing device information indicating a manufacturing device of the recording medium.

Claim 24. (Original) The data recording medium as claimed in claim 15, wherein the identification information is data-converted information.

Claim 25. (Original) The data recording medium as claimed in claim 24, wherein the data-converted information is encrypted data.

Claim 26. (Original) The data recording medium as claimed in claim 15, wherein error correction coding is performed on the identification information.

Claim 27. (Previously Presented) The data recording medium as claimed in claim 15, wherein one of error correction coding and error detection coding of a plurality of code sequences is performed on the identification information, and authentication of the identification information is carried out with at least a code of one sequence.

Claim 28. (Previously Presented) The data recording medium as claimed in claim 15, wherein the first and/or second digital

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data is recorded in accordance with a modulation system of one of 8-14 modulation and 8-16 modulation.

Claim 29. (Original) The data recording medium as claimed in claim 15, wherein the data recording medium is for reproduction only.

Claim 30. (Previously Presented) The data recording medium as claimed in claim 15, wherein the first digital data is recorded by pit edge recording and the second digital data is recorded by changing a shape of pits.

Claim 31. (Previously Presented) The data recording medium as claimed in claim 15, wherein the first digital data is recorded by pit edge recording and the second digital data is recorded by changing a position of pits.

Claim 32. (Original) The data recording medium as claimed in claim 15, wherein the second digital data is at least one of compressed audio data, image data, and text data.

Claim 33. (Original) The data recording medium as claimed in claim 15, wherein the second digital data includes information for connecting to a communication network.

Claim 34. (Original) The data recording medium as claimed in claim 15, wherein the second digital data includes information for connecting to a portable telephone.

Claim 35. (Currently Amended) A data reproducing method for reproducing a data recording medium on which digital data including at least work data is recorded, the method comprising the steps of:

reading out discrimination information indicating a presence/absence of identification information for ~~carrying out identification particular to the data~~ identifying an individual recording medium; and

reading out the identification information when it is discriminated by the discrimination information that the identification information exists.

Claim 36. (Currently Amended) A data reproducing method for reproducing a data recording medium on which digital data including at least work data is recorded, the method comprising the steps of:

reading out discrimination information indicating a presence/absence of identification information for ~~carrying out identification proper to the data~~ identifying an individual recording medium; and

controlling the data reproducing method in accordance with a result of discrimination the discrimination information.



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Claim 37. (Currently Amended) A data reproducing method for reproducing a data recording medium on which digital data including at least work data is recorded, the method comprising the steps of:

discriminating whether second digital data recorded by a different recording method from a recording method used to record the first digital data is recorded on the data recording medium; and

reading out identification information recorded on the data recording medium when it is discriminated that the second digital data is recorded-1

wherein said identification information is for identifying an individual recording medium.

Claim 38. (Currently Amended) A data reproducing device for reproducing a data recording medium on which digital data including at least work data is recorded, the device comprising:

reading means for reading out discrimination information indicating a presence/absence of identification information for carrying out identification particular to the data recording medium; and

control means for controlling so as to read out the identification information when it is discriminated by the reading means that the identification information exists on the data recording medium-1

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wherein said identification information is for identifying  
an individual recording medium.

Claim 39. (Currently Amended) A data reproducing device for reproducing a data recording medium on which digital data including at least work data is recorded, the device comprising:

reading means for reading out discrimination information indicating a presence/absence of identification information ~~for carrying out identification particular to the data~~ identifying an individual recording medium; and

control means for controlling a data reproducing method in accordance with result of discrimination of the discrimination information read out by the reading means.

Claim 40. (Currently Amended) A data reproducing device for reproducing a data recording medium on which digital data including at least work data is recorded, the device comprising:

discrimination means for discriminating whether second work data recorded by a different recording method than a recording method used to record first work data is recorded on the data recording medium; and

reading means for reading out identification information ~~for carrying out identification particular to the data~~ identifying an individual recording medium recorded on the data recording medium, when it is discriminated by the discrimination means that the second work data is recorded on the data recording medium.

Claim 41. (Currently Amended) A data outputting method for reproducing and outputting digital data including at least work data recorded on a data recording medium and identification information for ~~carrying out identification particular to the~~ identifying an individual data recording medium recorded on the data recording medium, the method comprising the steps of:

data-converting the reproduced digital data using the identification information, and

outputting the resultant converted data.

Claim 42. (Original) The data outputting method as claimed in claim 41, wherein the data conversion is superimposition of information generated by using the identification information onto the reproduced digital data.

Claim 43. (Currently Amended) A data outputting device for reproducing and outputting digital data including at least work data recorded on a data recording medium and identification information for ~~carrying out identification particular to the~~ identifying an individual data recording medium recorded on the data recording medium, the device comprising:

data conversion means for data-converting the reproduced digital data using the identification information, and

means for outputting the resultant converted data.

Claim 44. (Original) The data outputting device as claimed in claim 43, wherein the data conversion means superimposes information generated by using the identification information onto the reproduced digital data.

Claim 45. (Currently Amended) A data processing system comprising:

a data recording medium having recorded thereon digital data including at least work data and having recorded thereon in advance of the work data identification information ~~which enables identification particular to the~~ identifying an individual recording medium;

information providing means for providing a duplicate recording medium obtained by duplicating at least the digital data recorded on the data recording medium and then adding information provider identification information to the duplicated digital data;

reproducing means for reproducing the digital data having the information provider identification information added thereto, recorded on the duplicate recording medium; and

work data managing means to which the information provider identification information generated by the information providing means and the information provider identification information recorded on the duplicate recording medium and reproduced by the reproducing means are transmitted.

Claim 46. (Previously Presented) The data processing system as claimed in claim 45, wherein the work data managing means carries out accounting to the reproducing means, and collates the information provider identification information transmitted from the information providing means and the information provider identification information transmitted from the reproducing means and then totals the collated information provider identification information.

Claim 47. (Original) The data processing system as claimed in claim 45, wherein the work data managing means carries out accounting to the reproducing means when at least the information provider identification information recorded on the duplicate recording medium is transmitted from the reproducing means for the duplicate recording medium.

Claim 48. (Original) The data processing system as claimed in claim 45, wherein the work data managing means provides compensation to the information providing means in accordance with the information provider identification information transmitted from at least the information providing means.

Claim 49. (Previously Presented) The data processing system as claimed in claim 48, wherein the work data managing means provides compensation to the information providing means in accordance with a quantity of coincidence between the information

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provider identification information transmitted from the  
information providing means and the information provider  
identification information transmitted from the reproducing  
means.

Claim 50. (Previously Presented) The data processing system  
as claimed in claim 49, wherein the compensation is a part of a  
fee charged to the reproducing means.

Claim 51. (Original) The data processing system as claimed  
in claim 45, wherein discrimination information indicating the  
presence/absence of the identification information is further  
recorded on the data recording medium.

Claim 52. (Currently Amended) A data processing system  
comprising:

information providing means for providing information  
obtained by duplicating at least digital recorded on a data  
recording medium having recorded thereon the digital data  
including at least work data and having recorded thereon in  
advance of the work data identification information ~~enabling~~  
~~identification particular to the~~ identifying an individual  
recording medium and discrimination information indicating a  
presence/absence of the identification information, and then by  
adding information provider identification information to the  
duplicated digital data:

access means for accessing the information providing means to download at least the digital data duplicated from the data recording medium, having the information provider identification information added thereto and recorded in the information providing means; and

work data managing means to which the information provider identification information generated by the information providing means and the information provider identification information downloaded by the access means are transmitted.

Claim 53. (Previously Presented) The data processing system as claimed in claim 52, wherein the work data managing means carries out accounting to the reproducing means, and collates the information provider identification information transmitted from the information providing means and the information provider identification information transmitted from the access means and then totals the collated information provider identification information.

Claim 54. (Original) The data processing system as claimed in claim 53, wherein the work data managing means carries out accounting to the reproducing means when at least the information provider identification information downloaded from the information providing means is transmitted from the access means.

Claim 55. (Original) The data processing system as claimed in claim 52, wherein the work data managing means provides compensation to the information providing means in accordance with the information provider identification information transmitted from at least the information providing means.

Claim 56. (Previously Presented) The data processing system as claimed in claim 55, wherein the work data managing means provides compensation to the information providing means in accordance with the quantity of collation between the information provider identification information transmitted from the information providing means and the information provider identification information transmitted from the access means.

Claim 57. (Previously Presented) The data processing system as claimed in claim 55, wherein the compensation is a part of a fee charged to the access means.

Claim 58. (Previously Presented) The data processing system as claimed in claim 52, wherein discrimination information indicating a presence/absence of the identification information is further recorded on the data recording medium.

Claim 59. (Currently Amended) An information providing method for duplicating at least digital data recorded on a data recording medium having recorded thereon the digital data



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including at least work data and having recorded thereon in advance of the work data identification information ~~enabling identification particular to the~~ identifying an individual recording medium, and providing duplicated digital data, the method comprising the step of

providing information obtained by adding information provider identification information to the duplicated digital data.

Claim 60. (Previously Presented) The information providing method as claimed in claim 59, wherein discrimination information indicating a presence/absence of the identification information is further recorded on the data recording medium.

Claim 61. (Currently Amended) An information transmitting device comprising:

at least one terminal section for reproducing a recording medium having recorded thereon first digital data related to a work and second digital data including identification information ~~proper to the~~ identifying an individual recording medium and address data indicating a homepage address; and

at least one server section connected to the terminal section via a communication channel and designated by the address data

wherein the server section identifies the identification information of the recording medium supplied from at least the terminal section via the communication channel, and permits downloading of the digital data related to the work to the terminal section when the result of identification indicates that the terminal section is a predetermined kind of terminal section.

Claim 62. (Original) The information transmitting device as claimed in claim 61, wherein the server section permits downloading of the digital data related to the work to the terminal section when the result of identification of the identification information indicates that the terminal section is a normal terminal section.

Claim 63. (Canceled)

Claim 64. (Previously Presented) The information transmitting device as claimed in claim 61, wherein the server section prohibits the terminal section from accessing the server section when a result of identification indicates that the terminal section is not a predetermined kind of terminal section.

Claim 65. (Previously Presented) The information transmitting device as claimed in claim 61, wherein the server section urges the terminal section to carry out an accounting when a result of identification indicates that the terminal section is a predetermined kind of terminal section.

Claim 66. (Previously Presented) The information transmitting device as claimed in claim 65, wherein the server section transmits data related to a key for decrypting an encryption of the first digital data to the terminal section when the accounting is carried out by the terminal section.

Claim 67. (Previously Presented) The information transmitting device as claimed in claim 66, wherein the terminal section decodes the transmitted data related to a key for decrypting the encryption on the basis of the identification information particular kind of to the medium.

Claim 68. (Currently Amended) An information transmitting method comprising the steps of:

transmitting identification information of a recording medium from at least one terminal section for reproducing the recording medium having recorded thereon first digital data related to a work and second digital data including at least identification information ~~particular to the~~ identifying an

individual recording medium and address data indicating a homepage address, to a server section via a communication channel;

identifying the transmitted identification information by the server section; and

permitting, by the server section, downloading of the digital data related to the work to the terminal section when a result of identification indicates that the terminal section is a predetermined kind of terminal section.

Claim 69. (Previously Presented) The information transmitting method as claimed in claim 68, wherein the server section transmits to the terminal section a transmission request for transmitting at least a part of the second digital data, after the result of identification of the identification information indicates that the terminal section is a predetermined kind of terminal section.

Claim 70. (Previously Presented) The information transmitting method as claimed in claim 69, wherein the server section at least causes the terminal section to carry out an alarm display when no response is returned from the terminal section with respect to the transmission request for transmitting a part of the second digital data.

Claim 71. (Previously Presented) The information transmitting method as claimed in claim 68, wherein the server section prohibits the terminal section from accessing the server section when the result of identification indicates that the terminal section is not a predetermined kind of terminal section.

Claim 72. (Previously Presented) The information transmitting method as claimed in claim 68, wherein the server section urges the terminal section to carry out accounting when the result of identification indicates that the terminal section is a predetermined kind of terminal section.

Claim 73. (Previously Presented) The information transmitting method as claimed in claim 72, wherein the server section transmits data related to a key for decrypting an encryption of the first digital data to the terminal section when accounting is carried out by the terminal section.

Claim 74. (Currently Amended) The information transmitting method as claimed in claim 73, wherein the terminal section decodes the transmitted data related to a key for decrypting the encryption on the basis of the identification information ~~particular to the~~ identifying the individual recording medium.

Claim 75. (Currently Amended) An information transmitting method comprising the steps of:

transmitting identification information of a recording medium from at least one terminal section for reproducing a duplicate recording medium duplicated from the recording medium having recorded thereon first digital data related to an encrypted work and second digital data including at least identification information ~~proper to the~~ identifying an individual recording medium, to a host section via a communication channel;

authenticating the transmitted identification information by the host section;

requesting the terminal section for accounting; and

transmitting data related to a key for decrypting the encryption of the first digital data to the terminal section when the accounting is carried out.

Claim 76. (Previously Presented) The information transmitting method as claimed in claim 75, wherein the terminal section reproduces the first digital data of the duplicate recording medium on the basis of the transmitted data related to the key.

Claim 77. (Currently Amended) The information transmitting method as claimed in claim 76, wherein the terminal section

decodes the transmitted data related to the key for decrypting the encryption on the basis of the identification information ~~particular to the~~ identifying the individual recording medium of the duplicate recording medium.

Claim 78. (Currently Amended) The information transmitting method as claimed in claim 75, wherein the host section totals the identification information ~~particular to the~~ identifying the individual recording medium of the recording medium transmitted from the terminal section and totals a quantity of duplication of each recording medium.

Claim 79. (Previously Presented) The information transmitting method as claimed in claim 78, wherein the host section calculates a distribution rate for distributing at least a part of a fee collected by the accounting to an owner of the recording medium.

Claim 80. (Currently Amended) An information transmitting method comprising the steps of:

downloading first digital data together with second digital data by at least one terminal section and duplicating the first digital data, the first digital data being duplicated from a recording medium having recorded thereon at least the first digital data related to an encrypted work and the second

digital data including data identification information of at least the first digital data and identification information ~~particular to the~~ identifying an individual recording medium, the first digital data being laid open to the public so that the first digital data can be downloaded together with the second digital data to users via a communication channel;

transmitting the downloaded identification information of the recording medium together with the duplicated first digital data from the terminal section to a host section via the communication channel;

authenticating the transmitted identification information by the host section;

requesting the terminal section for an accounting; and

transmitting data related to a key for decrypting the encryption of the first digital data to the terminal section when the accounting is carried out.

Claim 81. (Previously Presented) The information transmitting method as claimed in claim 80, wherein the terminal section reproduces the first digital data of the duplicate recording medium on the basis of the transmitted data related to the key.

Claim 82. (Currently Amended) The information transmitting method as claimed in claim 81, wherein the terminal section



decodes the transmitted data related to the key for decrypting the encryption on the basis of the identification information ~~particular to the~~ identifying the individual recording medium of the duplicate recording medium.

Claim 83. (Currently Amended) The information transmitting method as claimed in claim 80, wherein the host section totals the identification information ~~particular to the~~ identifying the individual recording medium of the recording medium transmitted from the terminal section and totals a quantity of duplication of each recording medium.

Claim 84. (Previously Presented) The information transmitting method as claimed in claim 83, wherein the host section calculates a distribution rate for distributing at least a part of a fee collected by the accounting to an owner of the recording medium.